Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/26/2017 10:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124918	-1	1.43	124759	1.37
Blue	F	SSC	125000	123621	-2	2.72	124000	2.48
Blue	E	FITC	23795	22970	-4	2.49	1021	10.71
Blue	D	PE	29673	29377	-1	2.06	1055	10.18
Blue	B	PerCP-Cy5-5	48943	47985	-2	3.43	1374	16.77
Blue	A	PE-Cy7	44112	43513	-2	5.09	672	35.76
Red	C	APC	54273	53696	-2	2.75	3104	9.44
Red	A	APC-Cy7	54945	54586	-1	2.72	1130	11.44
Violet	B	V450	15756	14970	-5	4.11	720	9.08
Violet	A	V500	62569	61058	-3	3.91	2702	6.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19811	3.14	610	-4	N/A	N/A	Pass
Blue	F	SSC	61116	1.53	547	1	N/A	N/A	Pass
Blue	E	FITC	115	38.75	548	-2	0.0187	93	Pass
Blue	D	PE	231	29.48	546	0	0.1443	216	Pass
Blue	B	PerCP-Cy5-5	213	45.76	635	-4	0.0104	136	Pass
Blue	A	PE-Cy7	73	121.79	692	-7	0.0118	19	Pass
Red	C	APC	362	28.04	602	2	0.0204	97	Pass
Red	A	APC-Cy7	123	41.96	581	-3	0.0053	1625	Pass
Violet	B	V450	87	41.27	472	0	0.0438	1648	Pass
Violet	A	V500	197	23.02	500	1	0.0147	532	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.00	-31.50	0.90
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	17.59	13.27 - 19.91	N/A	N/A	31.47	31.95	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11881

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments